

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

5. Lease Serial No.

UTU-76041

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.

BITTER CREEK 1122-5B

9. API Well No.

43-047-37113

10. Field and Pool, or Exploratory

Underscribed

11. Sec., T., R., M., or Blk, and Survey or Area

SEC 5-T11S-R22E

12. County or Parish

UINTAH

13. State

UT

1a. Type of Work: ☒ DRILL

☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other

☐ Single Zone ☒ Multiple Zone

2. Name of Operator

WESTPORT OIL & GAS COMPANY, L.P.

3A. Address

1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3b. Phone No. (include area code)

(435) 781-7060

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface ~~W~~WNE 1345' FNL 1854' FEL LOT 7

At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office\*

23 MILES SOUTHEAST OF OURAY, UTAH

15. Distance from proposed\*

location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any)

1345'

16. No. of Acres in lease

80

17. Spacing Unit dedicated to this well

40

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft.

REFER TO  
TOPO C

19. Proposed Depth

8600'

20. BLM/BIA Bond No. on file

CO-1203

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5560.5' GL

22. Approximate date work will start\*

UPON APPROVAL

23. Estimated duration

TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the  
SUPO shall be filed with the appropriate Forest Service Office.

4. Bond to cover the operations unless covered by an existing bond on file (see  
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the  
authorized office.

25. Signature

*Debra Domenici*

Name (Printed/Typed)

DEBRA DOMENICI

Date

9/1/2005

Title

ASSOCIATE ENVIRONMENTAL ANALYST

Approved by (Signature)

*Bradley G. Hill*

Name (Printed/Typed)

BRADLEY G. HILL

Date

09-20-05

Title

ENVIRONMENTAL SCIENTIST III

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

SEP 06 2005

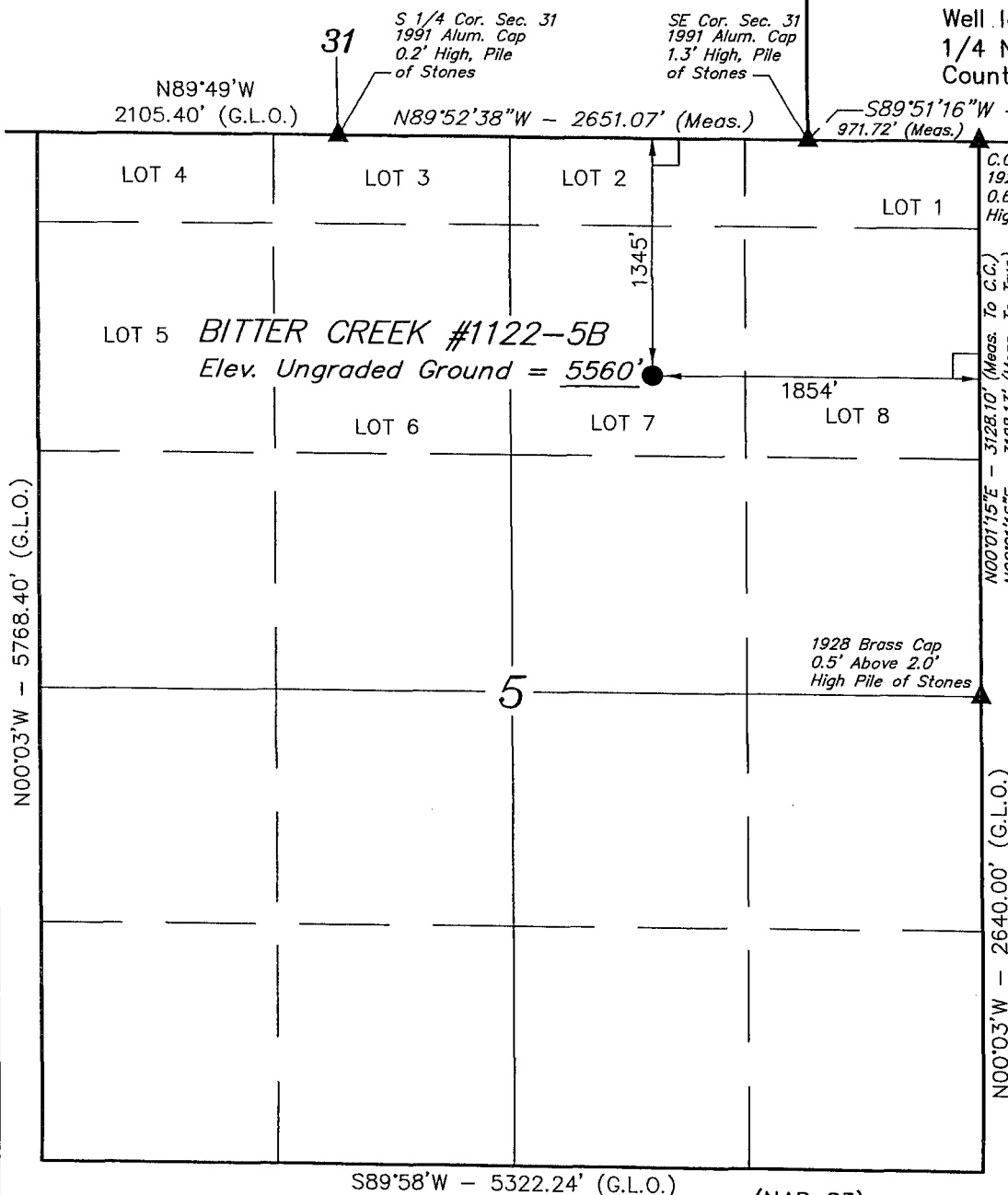
DIV. OF OIL, GAS & MINING

Federal Approval of this  
Action is Necessary

T11S, R22E, S.L.B.&M.

WESTPORT OIL AND GAS COMPANY, L.P.

Well location, BITTER CREEK #1122-5B, located as shown in the NW 1/4 NE 1/4 (LOT 7) of Section 5, T11S, R22E, S.L.B.&M. Uintah County, Utah.

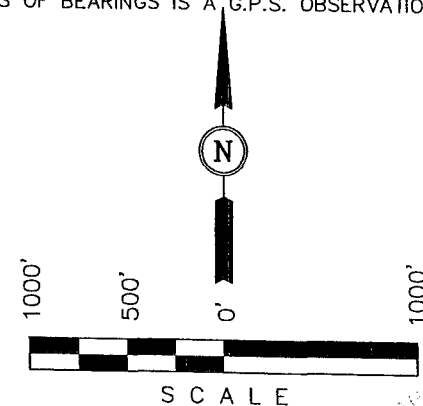


BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert J. Hay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

REVISED: 09-07-05

UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

LEGEND:  
└─ = 90° SYMBOL  
● = PROPOSED WELL HEAD.  
▲ = SECTION CORNERS LOCATED.

(NAD 83)  
LATITUDE = 39°53'40.10" (39.894472)  
LONGITUDE = 109°28'33.87" (109.476075)  
(NAD 27)  
LATITUDE = 39°53'40.21" (39.894503)  
LONGITUDE = 109°28'31.41" (109.475392)

SCALE 1" = 1000'	DATE SURVEYED: 06-20-05	DATE DRAWN: 06-28-05
PARTY D.A. T.A. L.K.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE	WESTPORT OIL AND GAS COMPANY, L.P.

N  
BITTER CREEK 1122-5B  
SWNE SEC 5-T11S-R22E LOT 7  
UINTAH COUNTY, UTAH  
UTU-76041

ONSHORE ORDER NO. 1

***DRILLING PROGRAM***

1. **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1025'
Wasatch	4000'
Mesaverde	6400'
TD	8600'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1025'
Gas	Wasatch	4000'
Gas	Mesaverde	6400'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

*Please refer to the attached Drilling Program.*

4. **Proposed Casing & Cementing Program:**

*Please refer to the attached Drilling Program.*

5. **Drilling Fluids Program:**

*Please refer to the attached Drilling Program.*

6. **Evaluation Program:**

*Please refer to the attached Drilling Program.*

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8600' TD, approximately equals 3440 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1548 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

*Drilling is planned to commence immediately upon approval of this application.*

9. **Variances:**

*Please refer to the attached Drilling Program.*

10. **Other Information:**

*Please refer to the attached Drilling Program.*





# Westport Oil and Gas Company, L.P.

## DRILLING PROGRAM

### CASING PROGRAM

						DESIGN FACTORS		
	SIZE	INTERVAL	WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 1800	32.30	H-40	STC	0.81*****	1.76	4.99
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 8600	11.60	M-80 or I-80	LTC	2.78	1.35	2.31

- 1) Max Anticipated Surf. Press. (MASP) (Surface Casing) = (Pore Pressure at next csg point - (0.22 psi/ft - partial evac gradient x TVD of next csg point))
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft - partial evac gradient x TD)
- (Burst Assumptions: TD = 10.5 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing \* Buoy. Fact. of water)
- MASP 2804 psi

\*\*\*\*\* Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

### CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		NOTE: If well will circulate water to surface, option 2 will be utilized					
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,500'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	360	60%	11.00	3.38
	TAIL	5,100'	50/50 Poz/G + 10% salt + 2% gel	1430	60%	14.30	1.31

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

\*Substitute caliper hole volume plus 15% excess for TAIL if accurate caliper is obtained

### FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

### ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

DRILLING ENGINEER:

Brad Laney

DATE:

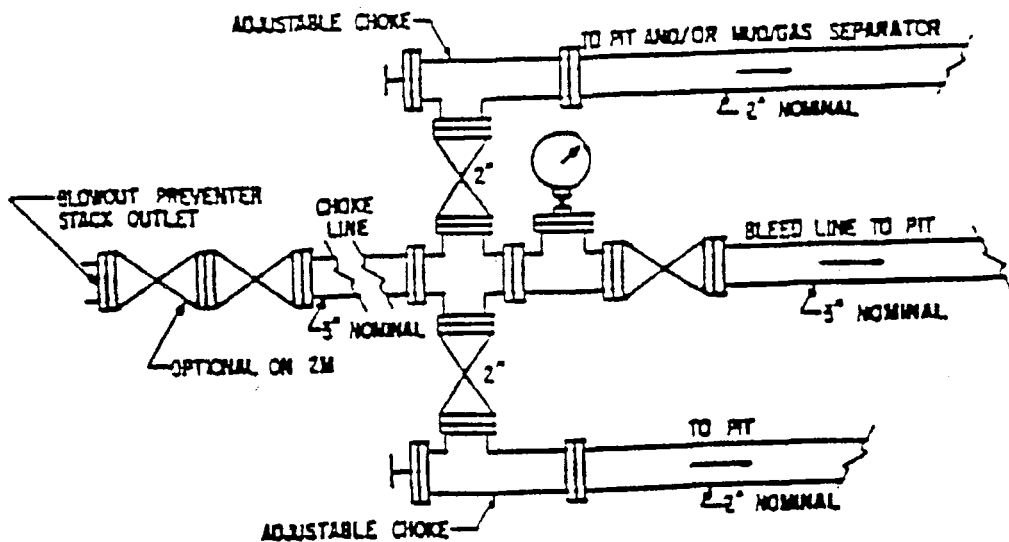
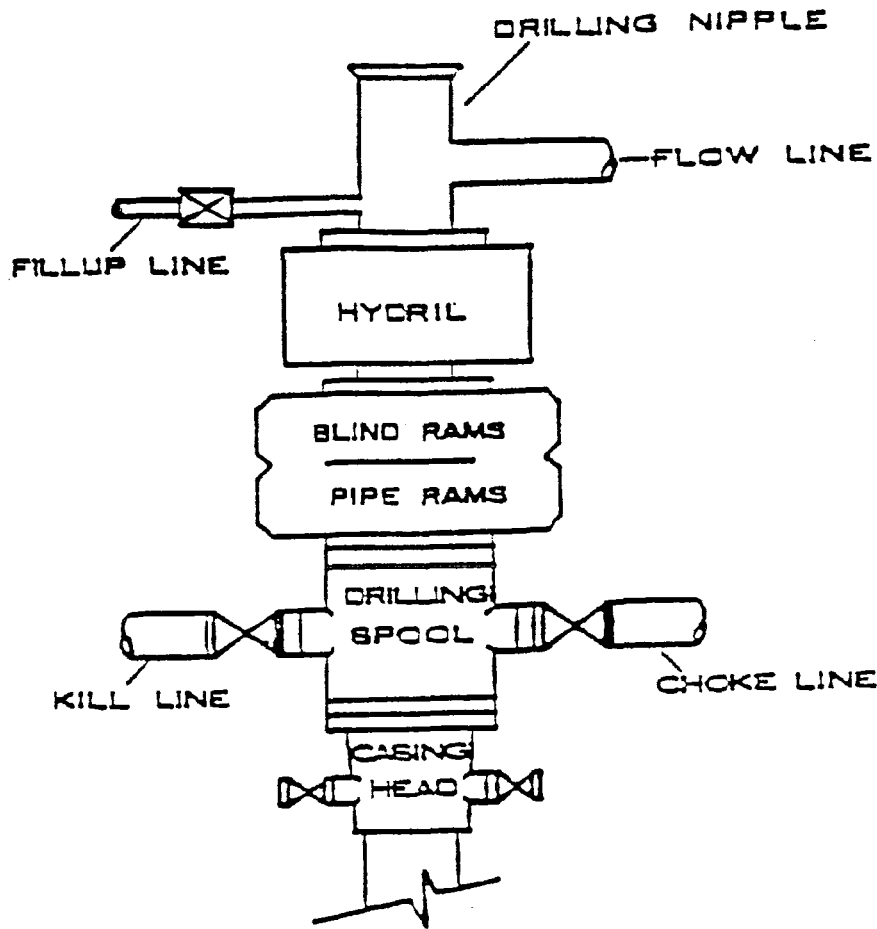
DRILLING SUPERINTENDENT:

Randy Payne

DATE:

3,000 PSI

## BOP STACK



BITTER CREEK 1122-5B  
SWNE SEC 5-T11S-R22E LOT 7  
UINTAH COUNTY, UTAH  
UTU-76041

ONSHORE ORDER NO. 1

*MULTI-POINT SURFACE USE & OPERATIONS PLAN*

1. **Existing Roads:**

Directions to the proposed location are attached.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. **Planned Access Roads:**

The proposed access road is approximately 430' +/- . Refer to Topo Map B.

The access road will be crowned (2 to 3%), ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free-flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing or shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches, and the turnouts kept clear so that snowmelt will be channeled away from the road.

3. **Location of Existing Wells Within a 1-Mile Radius**

Please refer to Topo Map C.



**4. Location of Existing & Proposed Facilities**

*The following guidelines will apply if the well is productive.*

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon (2.5 Y 6/2) as determined during the on-site inspection.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Refer to Topo Map D for the placement of the proposed pipeline.

**Variances to Best Management Practices (BMPs) Requested:**

Approximately 423' of 4" steel pipeline will be installed on surface within the access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

This exception to the BMP should be granted by the BLM Authorized Officer because indurate bedrock, such as sandstone, is at or within 2 feet of the surface.

**5. Location and Type of Water Supply:**

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec.32, T4S,R3E, Water User Claim #43-8496, Application #53617.

Where available a 2" or 3" poly pipe will be installed with the existing rights-of-way to supply water during drilling and completion operations. There will be no new disturbance needed and the poly line will be removed after completion operations. The fresh water will be supplied from the power plant located within the following Sections 23, 24, 25, 26, 35, & 36, T8S, R23E.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

**6. Source of Construction Materials**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

**7. Methods of Handling Waste Materials**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

*Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E. (Request is in lieu of filing Form 3160-5, after initial production).*

**8. Ancillary Facilities**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **Plans for Reclamation of the Surface:**

*Producing Location:*

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring of the pit, the stockpiled topsoil will be spread evenly over the location and the location will be reseeded with Crested Wheatgrass.

*Dry Hole/Abandoned Location:*

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

**11. Surface Ownership:**

United States of America  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078  
(435) 789-1362

**12. Stipulations:**Antelope Stipulations:

There will be no construction or drilling May 15th to June 20th for antelope.

**13. Other Information:**

A Class III archaeological survey and a paleontological survey have been completed and the reports will be submitted separately.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance. The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

**Seed Mixture:**

The following seed mixture will be used during interim reclamation:

Crested Wheatgrass      12 lb/acre

Operator will contact the BLM for the seed mixture when final reclamation of the location occurs.

**13. Lessee's or Operators's Representative & Certification:**

Debra Domenici  
Associate Environmental Analyst  
Westport O&G Co.  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7060

Randy Bayne  
Drilling Manager  
Westport O&G Co.  
1368 South 1200 East  
Vernal, UT 84078  
(435)781-7018

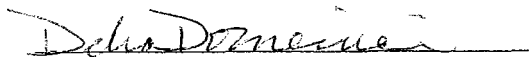
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Westport Oil & Gas Company is considered to be the operator of the subject well. Westport Oil & Gas Company agrees to be responsible under the terms and the conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for the lease activities is being provided by BLM Nationwide Bond #CO-1203.

I hereby certify that the proposed drill site and access route has been inspected and that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
Debra Domenici

September 1, 2005  
Date

WESTPORT OIL AND GAS COMPANY, L.P.  
BITTER CREEK #1122-5B  
SECTION 5, T11S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 430' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 54.0 MILES.

# WESTPORT OIL AND GAS COMPANY, L.P.

BITTER CREEK #1122-5B

LOCATED IN UINTAH COUNTY, UTAH

SECTION 5, T11S, R22E, S.L.B.&M.

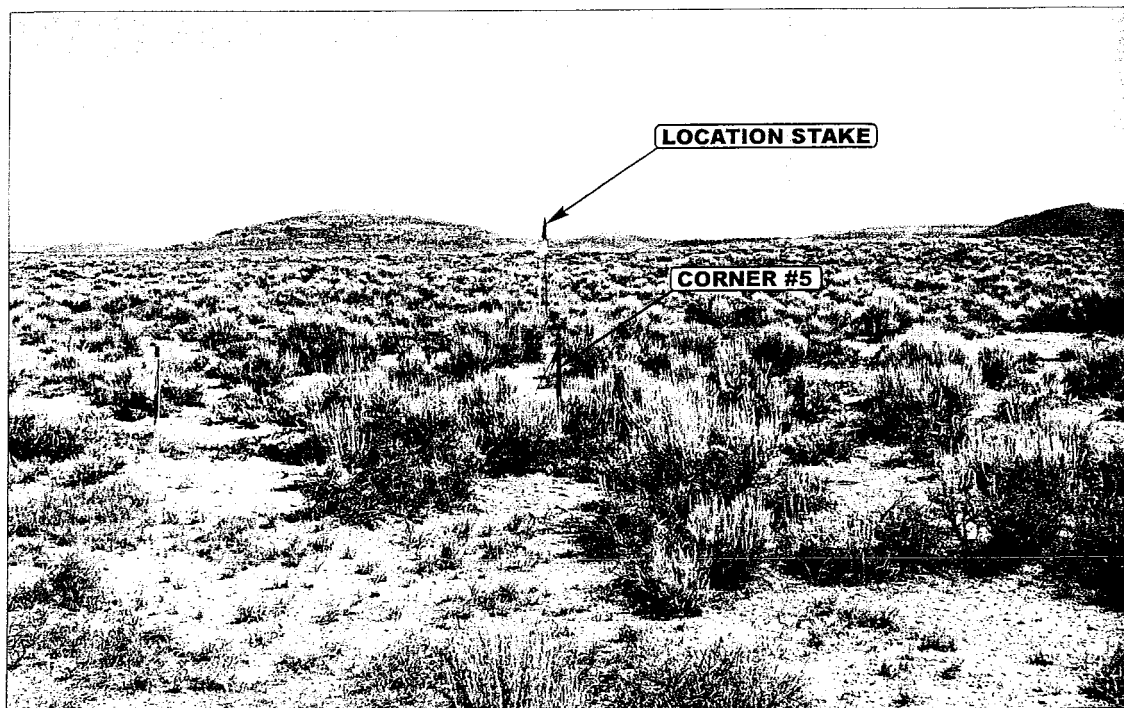


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

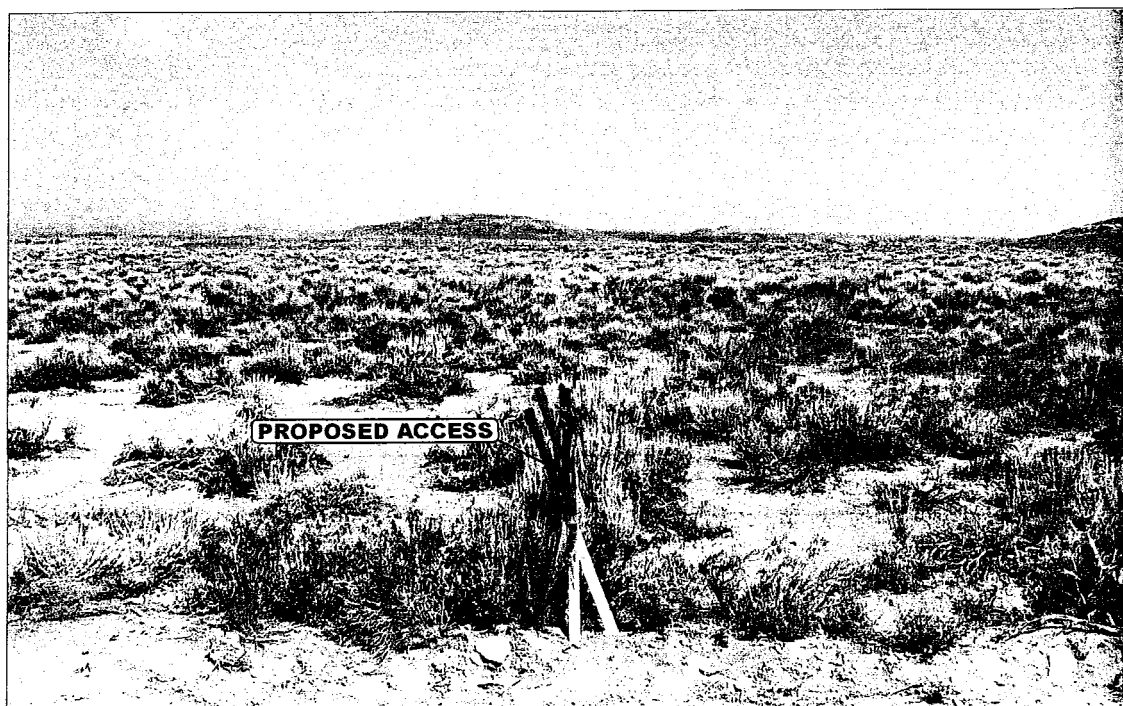


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

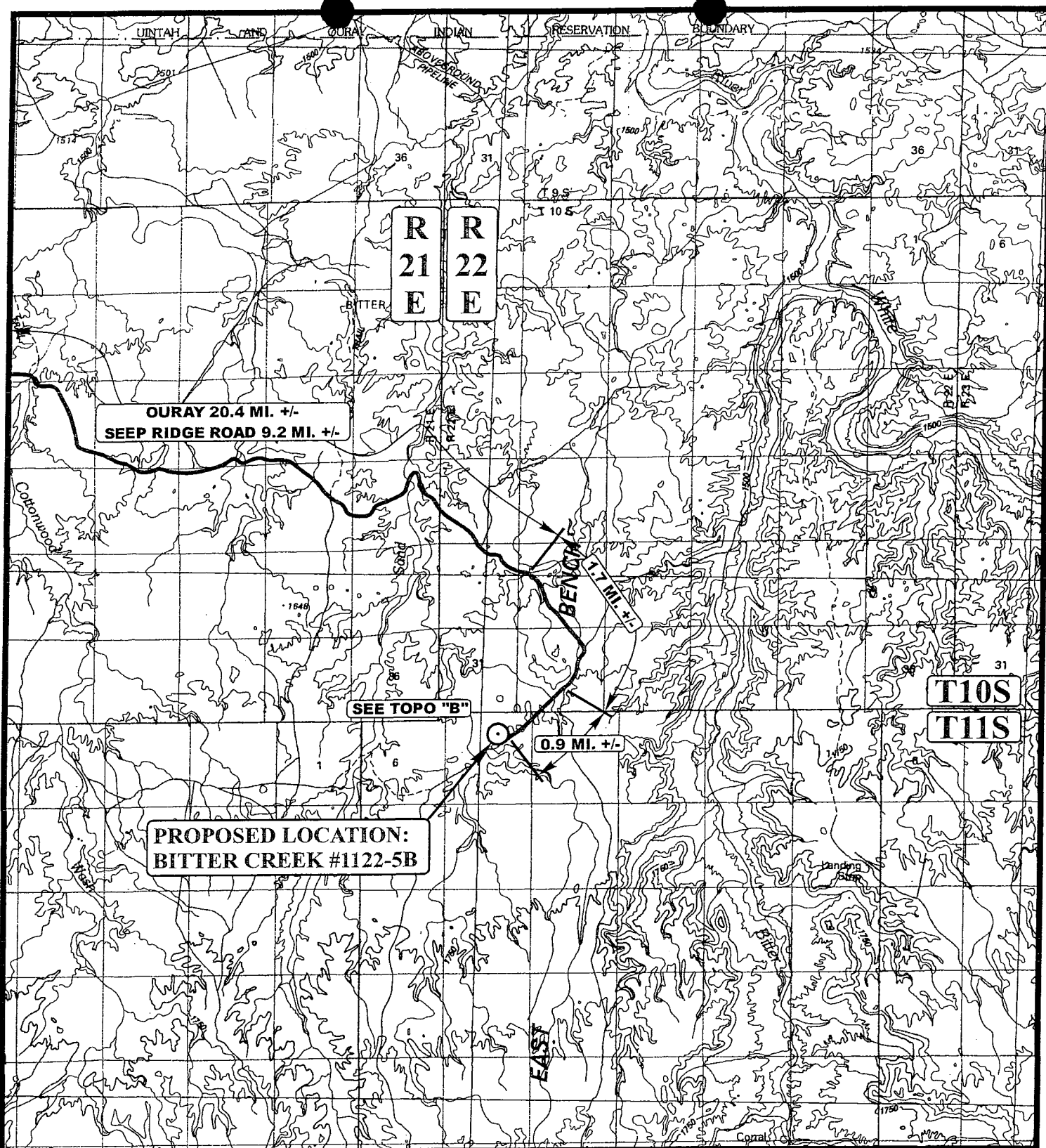
06 24 05  
MONTH DAY YEAR

PHOTO

TAKEN BY: D.A.

DRAWN BY: C.P.

REVISED: 00-00-00



# **LEGEND:**

○ PROPOSED LOCATION



**WESTPORT OIL AND GAS COMPANY, L.P.**

**BITTER CREEK #1122-5B**  
**SECTION 5, T11S, R22E, S.L.B.&M.**  
**1345' FNL 1854' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

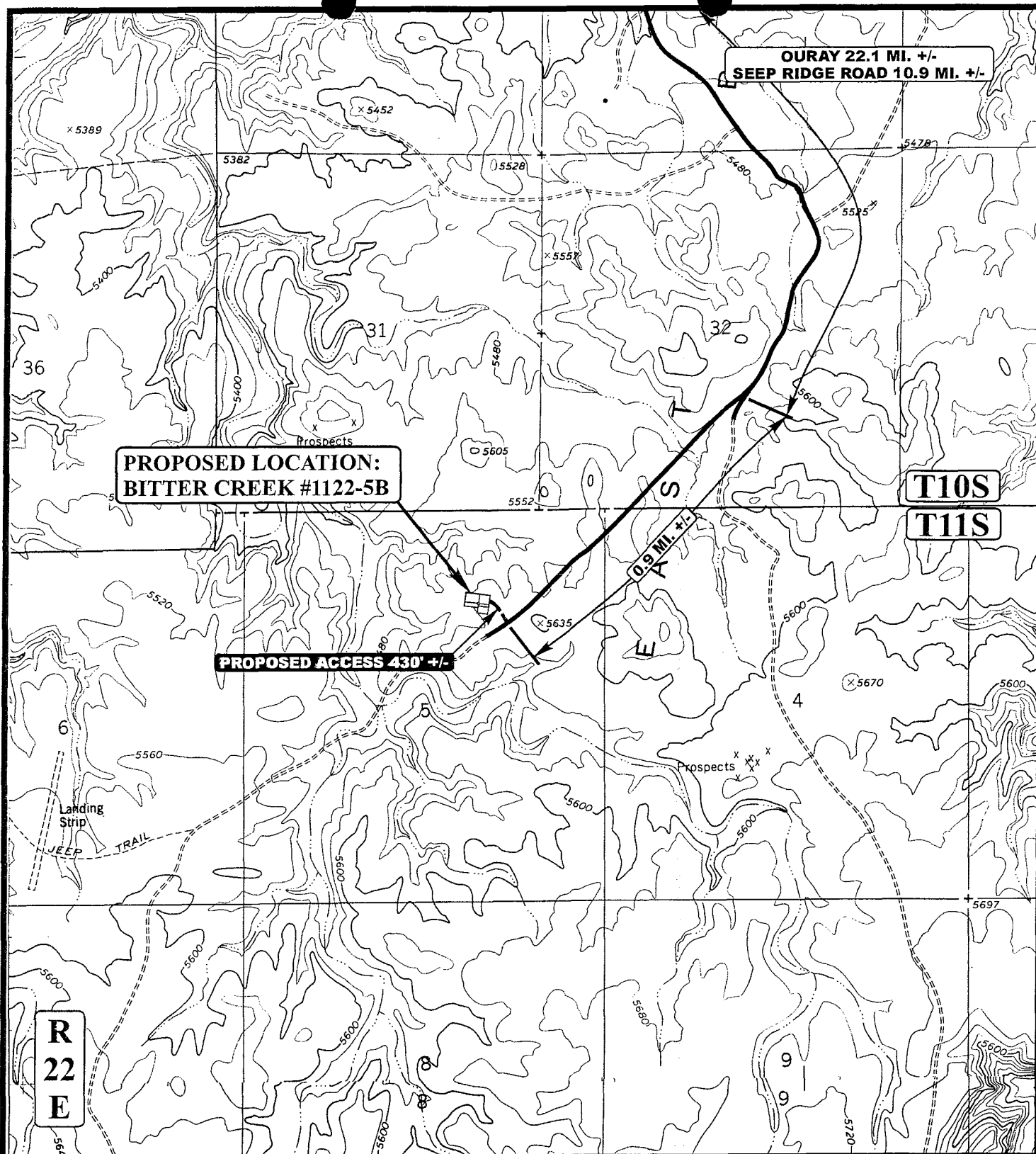
**TOPOGRAPHIC**  
**MAP**

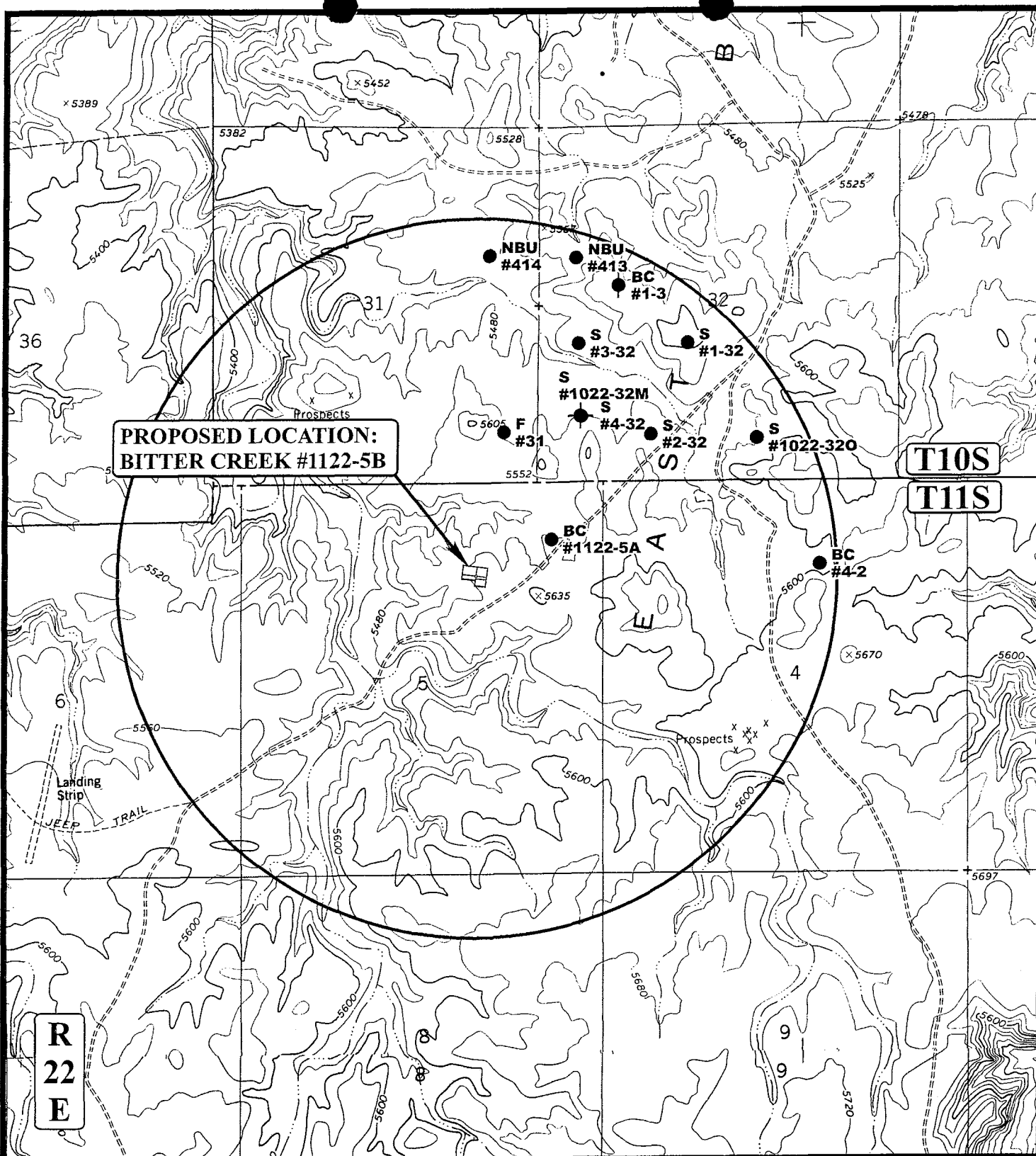
**06 24 05**  
 MONTH DAY YEAR

**SCALE: 1:100,000** **DRAWN BY: C.P.** **REVISED: 00-00-00**









# **LEGEND:**

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



**WESTPORT OIL AND GAS COMPANY, L.P.**

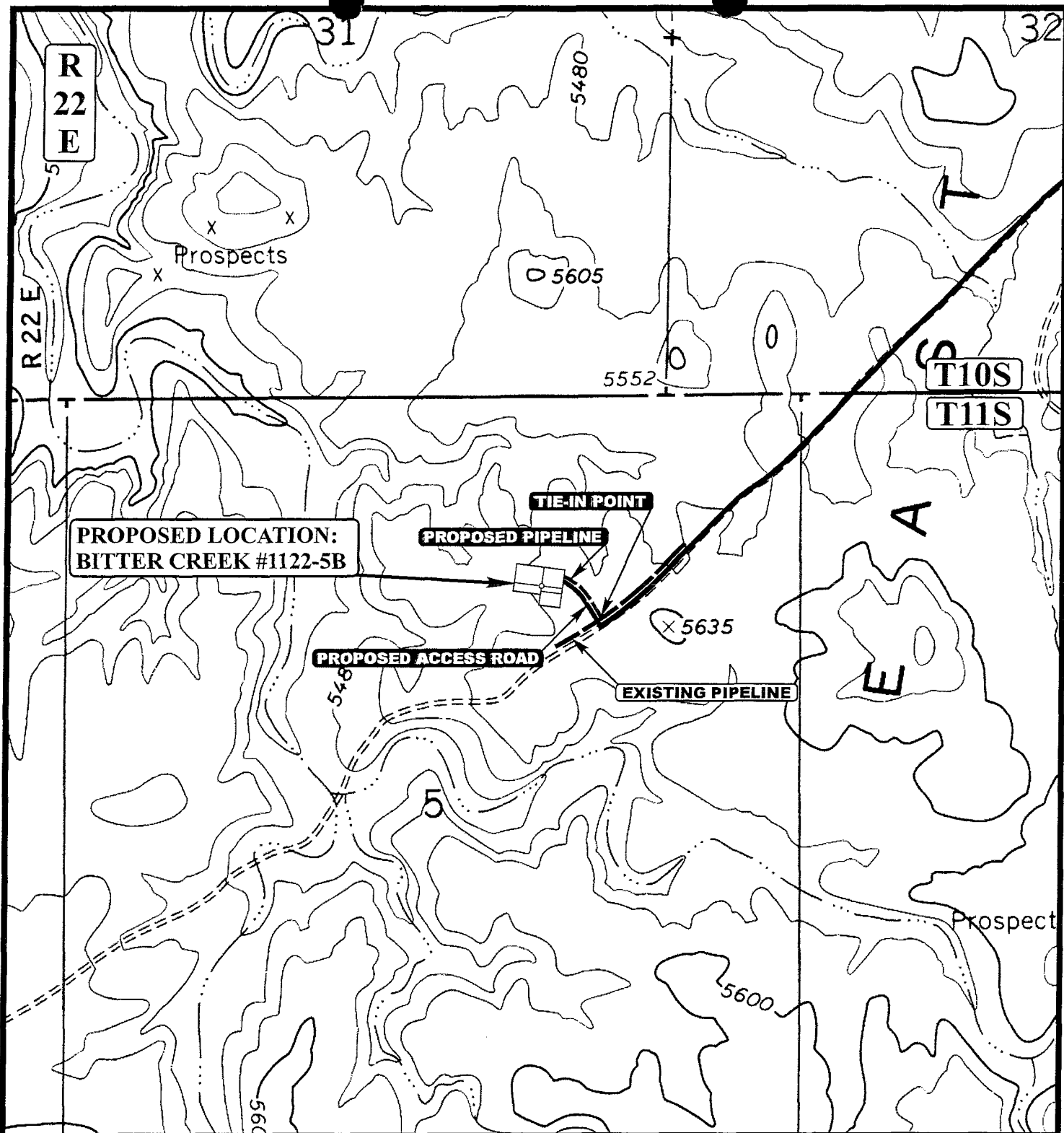
**BITTER CREEK #1122-5B**  
**SECTION 5, T11S, R22E, S.L.B.&M.**  
**1345' FNL 1854' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC** 06 24 05  
**MAP** MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 423' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE



**WESTPORT OIL AND GAS COMPANY, L.P.**

**BITTER CREEK #1122-5B**  
**SECTION 5, T11S, R22E, S.L.B.&M.**  
**1345' FNL 1854' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

**06 24 05**  
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 00-00-00

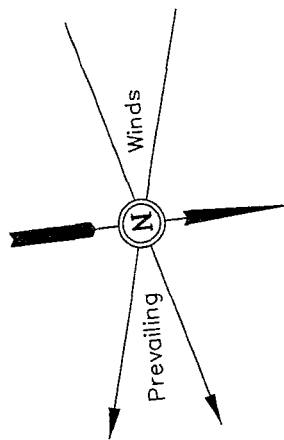


# WESTPORT OIL AND GAS COMPANY, L.P.

FIGURE #1

## LOCATION LAYOUT FOR

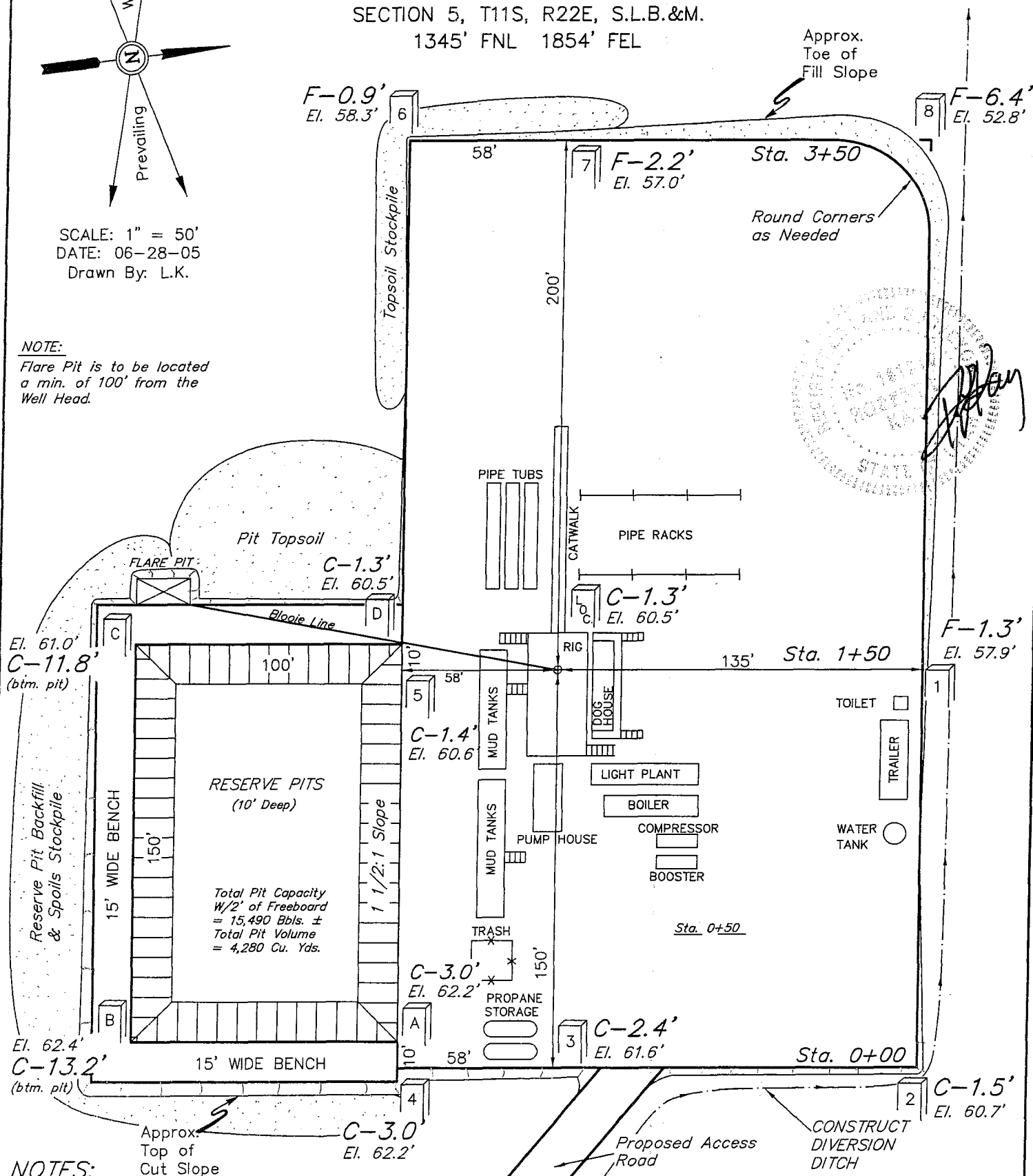
BITTER CREEK #1122-5B  
SECTION 5, T11S, R22E, S.L.B.&M.  
1345' FNL 1854' FEL



SCALE: 1" = 50'  
DATE: 06-28-05  
Drawn By: L.K.

### NOTE:

Flare Pit is to be located  
a min. of 100' from the  
Well Head.



### NOTES:

Elev. Ungraded Ground At Loc. Stake = 5560.5'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5559.2'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

# WESTPORT OIL AND GAS COMPANY, L.P.

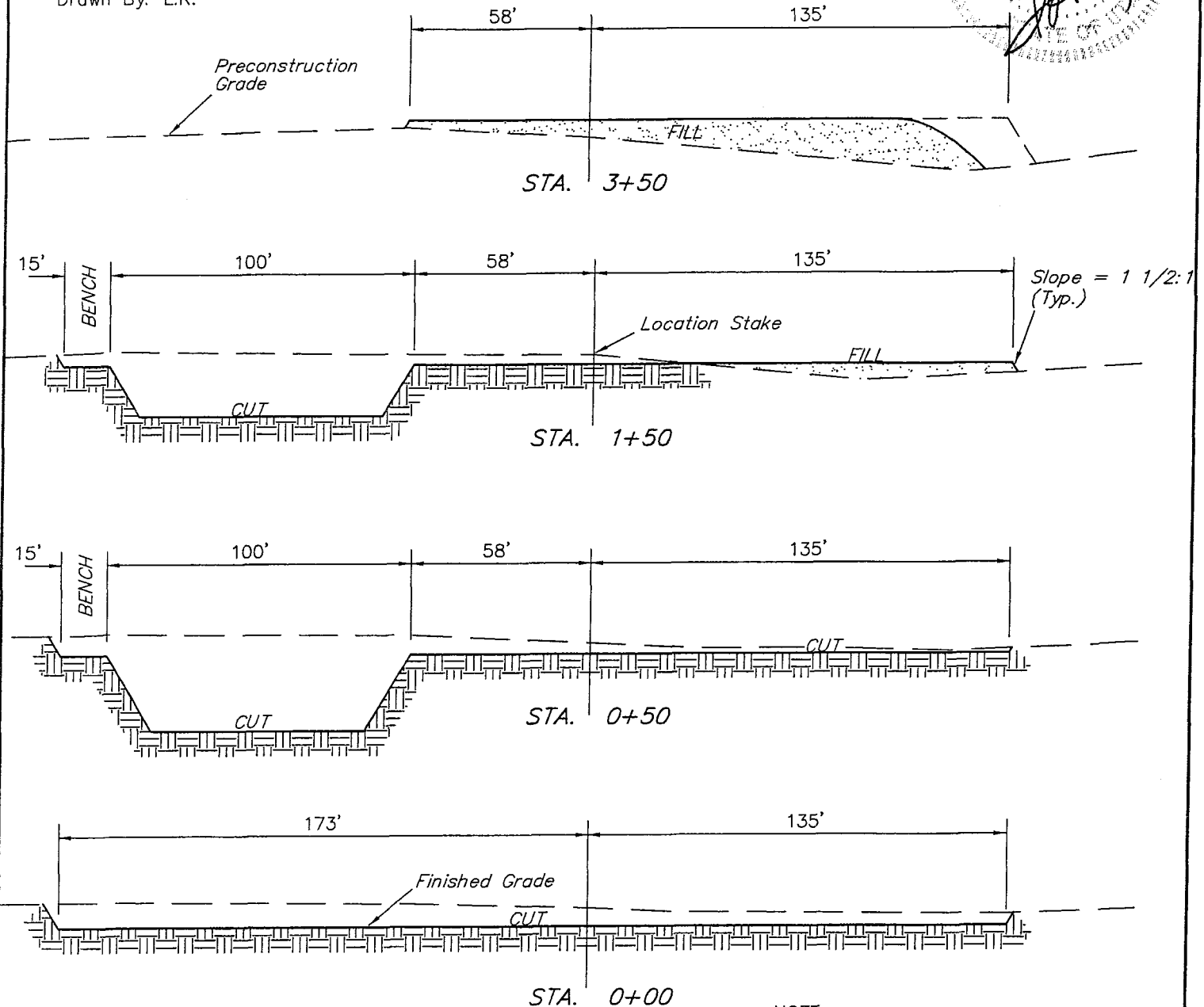
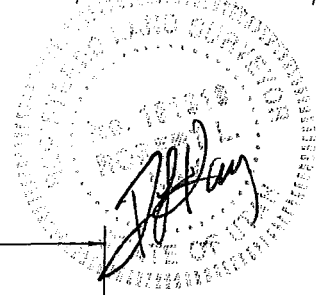
FIGURE #2

## TYPICAL CROSS SECTIONS FOR

BITTER CREEK #1122-5B  
SECTION 5, T11S, R22E, S.L.B.&M.  
1345' FNL 1854' FEL

1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 06-28-05  
Drawn By: L.K.



\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

### APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,750 Cu. Yds.
Remaining Location	= 6,420 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 8,170 CU.YDS.</b>
<b>FILL</b>	<b>= 4,280 CU.YDS.</b>

### NOTE:

Topsoil should not be  
Stripped Below Finished  
Grade on Substructure Area.

EXCESS MATERIAL	= 3,890 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3890 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 09/06/2005

API NO. ASSIGNED: 43-047-37113

WELL NAME: BITTER CREEK 1122-5B

OPERATOR: WESTPORT OIL & GAS CO ( N2115 )

CONTACT: DEBRA DOMENICI

PHONE NUMBER: 435-781-7060

PROPOSED LOCATION:

NWNE 05 110S 220E

SURFACE: 1345 FNL 1854 FEL

BOTTOM: 1345 FNL 1854 FEL

UINTAH

UNDESIGNATED ( 2 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-76041

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 39.89445

LONGITUDE: -109.4753

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. CO-1203 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-8496 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

\_\_\_ R649-2-3.

Unit \_\_\_\_\_

\_\_\_ R649-3-2. General

Siting: 460' From Qtr/Qtr & 920' Between Wells

\_\_\_ R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 210-04

Eff Date: 4-12-2004

Siting: 460' From Qtr/Qtr & 920' Between Wells

\_\_\_ R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS:

1- Federal Approval



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY, L.P.

3a. Address

1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3b. Phone No. (include area code)

435-781-7060

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NWNE SEC 5-T11S-R22E LOT 7

1345' FNL 1854' FEL

5. Lease Serial No.

UTU-76041

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

BITTER CREEK 1122-5B

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE PLAT INCLUDED WITH THE APD SHOWED THAT THE WELL WAS LOCATED IN THE SWNE OF SECTION 5. THE WELL IS ACTUALLY LOCATED IN THE NWNE OF SECTION 5. PLEASE FIND ATTACHED A CORRECTED PLAT.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

DEBRA DOMENICI

Title

ASSOCIATE ENVIRONMENTAL ANALYST

Signature

Date

September 15, 2005

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED  
SEP 20 2005

DIV. OF OIL, GAS & MINING





**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

September 20, 2005

Westport Oil & Gas Company, LP  
1368 South 1200 East  
Vernal, UT 84078

Re: Bitter Creek 1122-5B Well, 1345' FNL, 1854' FEL, NW NE, Sec. 5,  
T. 11 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37113.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Westport Oil & Gas Company, LP  
Well Name & Number Bitter Creek 1122-5B  
API Number: 43-047-37113  
Lease: UTU-76041

Location: NW NE                      Sec. 5                      T. 11 South                      R. 22 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ  
 2. CDW

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**1/6/2006**

**FROM: (Old Operator):**

N2115-Westport Oil & Gas Co., LP  
 1368 South 1200 East  
 Vernal, UT 84078

Phone: 1-(435) 781-7024

**TO: ( New Operator):**

N2995-Kerr-McGee Oil & Gas Onshore, LP  
 1368 South 1200 East  
 Vernal, UT 84078

Phone: 1-(435) 781-7024

**CA No.**

**Unit:**

WELL NAME

SEC TWN RNG

API NO

ENTITY  
NO

LEASE  
TYPE

WELL  
TYPE

WELL  
STATUS

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- 4a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- 4b. If **NO**, the operator was contacted on: \_\_\_\_\_
- 5a. (R649-9-2) Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: n/a
- 5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
7. **Federal and Indian Units:**  
 The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
8. **Federal and Indian Communization Agreements ("CA"):**  
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \_\_\_\_\_

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 5/15/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
3. Bond information entered in RBDMS on: 5/15/2006
4. Fee/State wells attached to bond in RBDMS on: 5/16/2006
5. Injection Projects to new operator in RBDMS on: \_\_\_\_\_
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

**BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: CO1203
2. Indian well(s) covered by Bond Number: RLB0005239
3. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG  
 The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

4. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

**COMMENTS:**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other CHANGE OF

OPERATOR

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006.

KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED

MAY 10 2006

DIV. OF OIL, GAS & MINING

BLM BOND = C01203

BIA BOND = RLB0005237

APPROVED 516106

Earlene Russell

Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

RANDY BAYNE

Signature

Title

DRILLING MANAGER

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY L.P.

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06  
Earlene Russell  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

RECEIVED  
MAY 10 2006

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

BRAD LANEY

Title

ENGINEERING SPECIALIST

Signature

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Brad Laney

Title

Date

5-9-06

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



## United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Colorado State Office  
2850 Youngfield Street  
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM)  
3106  
COC017387 et. al.

March 23, 2006

### NOTICE

Kerr-McGee Oil & Gas Onshore L.P. :  
1999 Broadway, Suite 3700 : Oil & Gas  
Denver, CO 80202 :

#### Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell  
Martha L. Maxwell  
Land Law Examiner  
Fluid Minerals Adjudication

Attachment:

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

WY, UT, NM/OK/TX, MT/ND, WY State Offices

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-922)

March 27, 2006

## Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of  
Fluid Minerals

## Enclosure

Approval letter from BLM COSO (2 pp)

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare  
Dave Mascarenas  
Susan Bauman

RECEIVED

MAR 28 2006

U.S. DEPT. OF THE INTERIOR



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RECEIVED**

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**AUG 24 2006**

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-76041
2. Name of Operator KERR MCGEE OIL AND GAS ONSHORE LP		6. If Indian, Allottee or Tribe Name
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) 435-781-7003	7. If Unit or CA/Agreement, Name and/or No. NATURAL BUTTES
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SWNE SEC 5-T11S-R22E 1345' FNL 1854' FEL LOT 7		8. Well Name and No. BITTER CREEK 1122-5B
		9. API Well No. 4304737113
		10. Field and Pool, or Exploratory Area NATURAL BUTTES
		11. County or Parish, State UINTAH COUNTY, UTAH

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>APD EXTENSION</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	BLM
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION FOR A ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE BUREAU OF LAND MANAGEMENT ON SEPTEMBER 8, 2005.

CONDITIONS OF APPROVAL ATTACHED **RECEIVED**

**SEP 28 2006**

14. I hereby certify that the foregoing is true and correct		DIV. OF OIL, GAS & MINING	
Name (Printed/Typed) RAMEY HOOPES	Title REGULATORY CLERK		
Signature <i>Ramey Hoopes</i>	Date August 22, 2006		
THIS SPACE FOR FEDERAL OR STATE USE			
Approved by <i>Mark Baker</i>	Title Petroleum Engineer	Date SEP 21 2006	
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**UDOGM**

# **CONDITIONS OF APPROVAL**

## **Kerr McGee Oil & Gas Onshore.**

### **Notice of Intent APD Extension**

**Lease:** UTU-76041  
**Well:** Bitter Creek 1122-5B  
**Location:** SWNE Sec 5-T11S-R22E

An extension for the referenced APD is granted with the following conditions:

---

1. The extension and APD shall expire on 9/8/07
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Matt Baker of this office at (435) 781-4490

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR MCGEE OIL AND GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**435-781-7003**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SWNE SEC 5-T11S-R22E**

**1345' FNL 1854' FEL LOT 7**

5. Lease Serial No.

**UTU-76041**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**NATURAL BUTTES**

8. Well Name and No.

**BITTER CREEK 1122-5B**

9. API Well No.

**4304737113**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

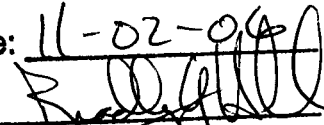
**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>APD EXTENSION</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>DOGM</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION FOR A ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS AND MINING ON SEPTEMBER 8, 2005.

Approved by  
Utah Division of  
Oil, Gas and Mining

Date: **11-02-06**  
By: 

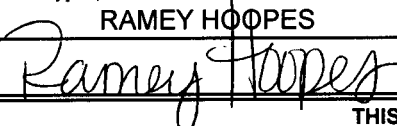
14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**RAMEY HOOPES**

Title

**REGULATORY CLERK**

Signature



Date

**October 20, 2006**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**RECEIVED**  
**NOV 01 2006**  
**DIV. OF OIL, GAS & MINING**

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304737113  
**Well Name:** BITTER CREEK 1122-5B  
**Location:** SWNE SEC 5- T11S-R22E  
**Company Permit Issued to:** KERR MCGEE OIL AND GAS ONSHORE LP  
**Date Original Permit Issued:** 9/20/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Ramey Hoopes  
Signature

10/20/2006

Date

Title: REGULAROTY CLERK

Representing: Kerr McGee Oil and Gas Onshore LP

RECEIVED  
NOV 01 2006  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SEP 2 2005

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-76041	
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name	
2. Name of Operator KERR MCGEE OIL AND GAS ONSHORE LP		7. If Unit or CA Agreement, Name and No.	
3a. Address 1368 SOUTH 1200 EAST, VERNAL, UTAH 84078		8. Lease Name and Well No. BITTER CREEK 1122-5B	
3b. Phone No. (include area code) (435) 781-7003		9. API Well No. 43-047137113	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWNE 1345' FNL 1854' FEL LOT 7 At proposed prod. Zone		10. Field and Pool, or Exploratory	
14. Distance in miles and direction from nearest town or post office* 23 MILES SOUTHEAST OF OURAY, UTAH		11. Sec., T., R., M., or Blk. and Survey or Area SEC 5-T11S-R22E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1345'	16. No. of Acres in lease 80	17. Spacing Unit dedicated to this well 40	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 8600'	20. BLM/BIA Bond No. on file CO-1203	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5560.5' GL	22. Approximate date work will start* UPON APPROVAL	23. Estimated duration TO BE DETERMINED	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |   |
|---|---|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).   |
| 2. A Drilling Plan.   | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature <i>Ramey Hoopes</i>	Name (Printed/Typed) RAMEY HOOPES	Date 4/13/2006
REGULATORY CLERK		
Approved by (Signature) <i>Jerry Kewala</i>	Name (Printed/Typed) Jerry Kewala	Date 7-16-2007
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
RECEIVED

JUL 23 2007

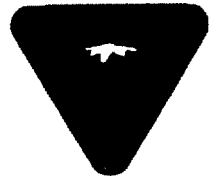
DIV. OF OIL, GAS & MINING

066XJ0101A



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Kerr-McGee Oil & Gas Onshore, LP Location: SWNE, Sec. 5, T11S, R22E  
Well No: Bitter Creek 1122-5B Lease No: UTU-76041  
API No: 43-047-37113 Agreement: N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	435-781-4490	435-828-4470
Petroleum Engineer:	Michael Lee	435-781-4432	435-828-7875
Petroleum Engineer:	James Ashley	435-781-4470	435-828-7874
Petroleum Engineer:	Ryan Angus	435-781-4430	435-828-7368
Supervisory Petroleum Technician:	Jamie Sparger	435-781-4502	435-828-3913
NRS/Enviro Scientist:	Paul Buhler	435-781-4475	435-828-4029
NRS/Enviro Scientist:	Karl Wright	435-781-4484	
NRS/Enviro Scientist:	Holly Villa	435-781-4404	
NRS/Enviro Scientist:	Chuck MacDonald	435-781-4441	
NRS/Enviro Scientist:	Jannice Cutler	435-781-3400	
NRS/Enviro Scientist:	Michael Cutler	435-781-3401	
NRS/Enviro Scientist:	Anna Figueroa	435-781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	435-781-3402	
NRS/Enviro Scientist:	Darren Williams	435-781-4447	
NRS/Enviro Scientist:	Nathan Packer	435-781-3405	

Fax: 435-781-4410

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

- |  |  |
|--|--|
| Location Construction<br>(Notify NRS/Enviro Scientist)                     | - Forty-Eight (48) hours prior to construction of location and access roads.   |
| Location Completion<br>(Notify NRS/Enviro Scientist)                       | - Prior to moving on the drilling rig.   |
| Spud Notice<br>(Notify Petroleum Engineer)                                 | - Twenty-Four (24) hours prior to spudding the well.   |
| Casing String & Cementing<br>(Notify Supervisory Petroleum Technician)     | - Twenty-Four (24) hours prior to running casing and cementing all casing strings.   |
| BOP & Related Equipment Tests<br>(Notify Supervisory Petroleum Technician) | - Twenty-Four (24) hours prior to initiating pressure tests.   |
| First Production Notice<br>(Notify Petroleum Engineer)                     | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

**General Surface COAs**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

**Specific Surface COAs**

- During operations, if any vertebrate paleontological resources are discovered, all operations affecting such sites shall be immediately suspended, and all discoveries shall be left intact until authorized to proceed by the Authorized Officer. The appropriate Authorized Officer of the Vernal BLM office shall be notified within 48 hrs of the discovery, and a decision as to the preferred alternative/course of action will be rendered.
- The lessee/operator is given notice that lands in the lease have been identified as containing crucial pronghorn (antelope) habitat. It is requested that the lessee/operator not initiate surface disturbing activities or drilling from May 15 through June 20. A survey may be conducted by a qualified biologist or a BLM representative during this timing period to determine if pronghorn are in the area.
- 4 to 6 inches of topsoil shall be stripped from the location and windrowed as shown on the cut sheet. The topsoil shall then be broadcast seeded with the recommended seed mix immediately after it has been windrowed and the seed walked into the soil with a dozer.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural contours, topsoil respread where appropriate, and the entire location seeded with the recommended seed mix. Seeding shall take place by broadcasting the seed and walking it into the soil with a dozer immediately after the dirt work is completed.

## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- None

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.



- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include

deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

## DIVISION OF OIL, GAS AND MINING

### SPUDDING INFORMATION

Name of Company: KERR-McGEE OIL & GAS ONSHORE, LP

Well Name: BITTER CREEK 1122-5B

Api No: 43-047-37113 Lease Type: FEDERAL

Section 05 Township 11S Range 22E County UINTAH

Drilling Contractor PETE MARTIN DRILLING RIG # RATHOLE

### SPUDDED:

Date 10/30/07

Time 10:30 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by LOU WELDON

Telephone # (435) 828-7035

Date 10/31/07 Signed CHD

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: KERR McGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995  
Address: 1368 SOUTH 1200 EAST  
city VERNAL  
state UT zip 84078 Phone Number: (435) 781-7024

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739482	NBU 1022-13M1S		NWSW	13	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>B</u>	99999	<u>3900</u>	10/30/2007		<u>10/31/07</u>		
<b>Comments:</b> MIRU PETE MARTIN BUCKET RIG. <u>W57MVD</u> SPUD WELL LOCATION ON 10/30/2007 AT 0800 HRS							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737113	BITTER CREEK 1122-5B		NWNE	5	11S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>A</u>	99999	<u>16453</u>	10/30/2007		<u>10/31/07</u>		
<b>Comments:</b> MIRU PETE MARTIN BUCKET. <u>W57MVD</u> SPUD WELL LOCATION ON 10/30/2007 AT 1030 HRS.							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<b>Comments:</b>							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST

Title

10/31/2007

Date

RECEIVED

OCT 31 2007

DIV OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NW/NE SEC. 5, T11S, R22E 1345'FNL, 1854'FEL**

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

**UTU-76041**

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

**BITTER CREEK 1122-5B**

9. API Well No.

**4304737113**

10. Field and Pool, or Exploratory Area

**UNDESIGNATED**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>WELL SPUD</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

**MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE PIPE. CMT W/28 SX READY MIX.**

**SPUD WELL LOCATION ON 10/30/2007 AT 1030 HRS.**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Title

**SENIOR LAND ADMIN SPECIALIST**

Signature

Date

**October 31, 2007**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**RECEIVED**  
**NOV 02 2007**

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NW/NE SEC. 5, T11S, R22E 1345'FNL, 1854'FEL**

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

**UTU-76041**

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

**BITTER CREEK 1122-5B**

9. API Well No.

**4304737113**

10. Field and Pool, or Exploratory Area

**UNDESIGNATED**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>SET SURFACE</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>CSG</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU BILL MARTIN AIR RIG ON 11/01/2007. DRILLED 12 1/4" SURFACE HOLE TO 1850'. RAN 9 5/8" 45 JTS OF 32.3# H-40 AND 2 JTS OF 36# J-55 SURFACE CSG. LEAD CMT W/160 SX PREM CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD RETURNS THROUGHOUT JOB 20 +/- BBLs LEAD CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/125 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL. WORT.

WORT.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Title

**SENIOR LAND ADMIN SPECIALIST**

Signature

Date

**November 5, 2007**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**NOV 14 2007**

DEPT OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NW/NE SEC. 5, T11S, R22E 1345'FNL, 1854'FEL**

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

**UTU-76041**

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

**BITTER CREEK 1122-5B**

9. API Well No.

**4304737113**

10. Field and Pool, or Exploratory Area

**UNDESIGNATED**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>FINAL DRILLING OPERATIONS</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

FINISHED DRILLING FROM 1850' TO 8440' ON 11/19/2007. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/341 SX PREM LITE II @11.6 PPG 2.73 YIELD. TAILED CMT W/1227 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DISPLACE W/130.1 BBLS FRESH WATER BUMP PLUG W/3200 PSI 500 OVER RELEASE PRESSURE FLOATS OK. LAND CSG IN HANGER W/45000# TEST SEALS TO 5000# ND BOP CLEAN PITS.

**RELEASED PIONEER RIG 41 ON 11/20/2007 AT 1300 HRS.**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Signature

Title

**SENIOR LAND ADMIN SPECIALIST**

Date

**November 26, 2007**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**RECEIVED**

**DEC 03 2007**

**DIV. OF OIL, GAS & MINING**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NW/NE SEC. 5, T11S, R22E 1345'FNL, 1854'FEL**

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

**UTU-76041**

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

**BITTER CREEK 1122-5B**

9. API Well No.

**4304737113**

10. Field and Pool, or Exploratory Area

**UNDESIGNATED**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>PRODUCTION START-UP</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 01/11/2008 AT 11:30 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

RECEIVED

JAN 28 2008

DIV. OF OIL, GAS & MINERAL

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Title

**SENIOR LAND ADMIN SPECIALIST**

Signature

Date

**January 14, 2008**

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Anadarko Petroleum Corporation  
1368 S. 1200 East  
Vernal, UT 84078

## CHRONOLOGICAL WELL HISTORY

### **BITTER CREEK 1122-5B**

LOCATION NWNE SEC.5, T10S, R22E

UINTAH COUNTY, UT

DATE	ACTIVITY	STATUS
10/09/07	LOCATION STARTED PIONEER 41	
10/29/07	LOCATION COMPLETED PIONEER 41	P/L IN, WOBR
11/09/07	TD: 1868' Csg. 9 5/8" @ 1836' MW: 8.4 Started rig move. 100% rigged down and 20% moved @ report time.	SD: 11/XX/07 DSS: 0
11/12/07	TD: 1900' Csg. 9 5/8" @ 1836' MW: 8.4 RURT. NU and test BOPE. PUDS. Wait on pump that was damaged on rig move. Finish rig up. Drill cmt and FE. Rotary spud @ 0430 on 11/12/07. Drill f/ 1868'-1900'. DA @ report time.	SD: 11/12/07 DSS: 0
11/13/07	TD: 3822' Csg. 9 5/8" @ 1836' MW: 9.0 Drill f/ 1900'-3822'. DA @ report time.	SD: 11/12/07 DSS: 1
11/14/07	TD: 5307' Csg. 9 5/8" @ 1836' MW: 9.5 Drill from 3822'-5307'. DA @ report time.	SD: 11/12/07 DSS: 3
11/15/07	TD: 6110' Csg. 9 5/8" @ 1836' MW: 10.0 Drill from 5307'-5873'. Scheduled maintenance on bad wires in light plant. Drill from 5873'-6110'. DA @ report time.	SD: 11/12/07 DSS: 4
11/16/07	TD: 6840' Csg. 9 5/8" @ 1836' MW: 10.4 Drill from 6110'-6840'. DA @ report time.	SD: 11/12/07 DSS: 5
11/19/07	TD: 8440' Csg. 9 5/8" @ 1836' MW: 12.1 Drill from 6840'-7457'. TFNB. Drill to 8440' TD. Short trip and CCH @ report time.	SD: 11/12/07 DSS: 8
11/20/07	TD: 8440' Csg. 9 5/8" @ 1836' MW: 12.1 CCH and LDDS. RIH with Triple Combo, bridged out @ 6300'. Log out. Run 4 1/2" Production Casing. Prepare to cement casing @ report time.	SD: 11/12/07 DSS: 9
11/21/07	TD: 8440' Csg. 9 5/8" @ 1836' MW: 12.1 Cement 4 1/2" Production Casing. Land casing and release rig @ 1300 hrs 11/20/07. RDRT. Will move to State 1021-36D this am.	SD: 11/12/07 DSS: 9

01/03/08

### **MIRU**

Days On Completion: 1

Remarks: 7:00 HSM R/D MOVE FROM BITTER CREEK 1122-60 TO BITTER CREEK 122-5B. MIRU SPOT EQUIP, N/D WELL HEAD, N/U BOPE, SWIFN. 3:00 WAIT TO START P/U TBG IN A.M.

01/07/08

**Frac**

Days On Completion: 5

Remarks: DAY #3] 4:00 MIRU WHEATHERFORD FRAC CREW, MIRU CUTTERS WIRE LINE.

STG #1] P/U RIH W/ PERF GUN, PERFORATE MESAVERDE USING 3-3/8 EXPEND, .23GRM, 0.36" HOLE, 8118'-8122' 4 SPF, 16 HOLES, 8094'-8097', 3 SPF, 9 HOLES, 8031'-8035' 4 SPF, 16 HOLES [41 HOLES] WHP=150#, BRK DN PERFS @ 4751#, INJT PSI=4400, INJT RT=50.6, ISIP=3093, FG=.83, PUMP'D 1843.4 BBLS SLK/WTR W/ 58990# 30/50 MESH W/ 5000# RESIN COAT IIN TAIL, ISIP=3023, FG=.82, AR=50.5, AP=4232, MR=52.6, MP=7152, NPI=-70, 41/41 PERFS OPEN [100%]

STG #2] P/U RIH W/ BKR 8K CBP & PERF GUN, SET CBP @ 7966', PERF MESAVERDE 7932'-7934 4 SPF, 8 HOLES, 7876'-7878' 4 SPF, 8 HOLES, 7819'-7825' 4 SPF, 24 HOLES [40 HOLES] USING 3-3/8 EXPEND GUN, 23 GRM, 0.36" HOLE. WHP=0#, BRK DN PERFS @ 3177#, INJT PSI=4630, INJT RT=49.8, ISIP=2403, FG=.75, PUMP'D 2222.6 BBLS SLK W/ 78591# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=2817, FG=.80, AR=49.9, AP=4395, MR=53.3, MP=4838, NPI=414, 40/40 PERFS OPEN [100%]

CUTTERS GREASE INJECTOR QUIT WORKING HAD TO BRING ONE OUT OF TOWN. 11:45 TO 2:00

STG #3] P/U RIH W/ BKR 8K CBP & PERF GUN, SET CBP @ 7383', PERF MESAVERDE 7584'-7587' 4 SPF, 12 HOLES, 7433'-7440' 4 SPF, 24 HOLES, 7819'-7825' 4 SPF, [40 HOLES] USING 3-3/8 EXPEND GUN, 23 GRM, 0.36" HOLE. WHP=400#, BRK DN PERFS @3462 #, INJT PSI=5150, INJT RT=49.8, ISIP=2303, FG=.75., PUMP'D 727.6 BBLS SLK W/ 18346# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=2291, FG=.75., AR=49.2, AP=4576, MR=51.2, MP=6074, NPI=-12, 27/40 PERFS OPEN [63%]

01/08/08

**Frac**

Days On Completion: 6

Remarks: DAY #4] 7:00 HSM W/ WEATHERFORD & CUTTERS WIRE LINE PRE JOB SAFETY MTG. OPEN WELL UP @ 8:30

FRAC STG #4] FROM 7119'-7195', WHP=350#, BRK DN PERS @ 3916# INJT PSI=3500, INJT RT=48.9, ISIP=1991, FG=.72, PUMP'D 1608 BBLS SLK/WTR W/ 55346# 30/50 W/ 5000# RESIN COAT IN TAIL, ISIP=2513, FG=.79, AR=50.7, AP=3532, MR=51.6, MP=4234, NPI=522, 40/40 PERFS OPEN 100%.

STG #5] P/U RIH W/ BKR 8K CBP & PERF GUN, SET CBP @ 6769', PERF MESAVERDE 6764'-6766' 4 SPF, 8 HOLES, 6719'-6727' 4 SPF, 32 HOLES [40 HOLES] USING 3-3/8 EXPEND GUN, 23 GRM, 0.36" HOLE, WHP=0#, BRK DN PERFS @ 3588#, INJT PSI=3600, INJT RT=51.8, ISIP=1798, FG=.71, PUMP'D 1184 BBLS SLK/WTR W/ 39602# 30/50 W/ 5000# RESIN COAT IN TAIL, ISIP=2742, FG=.85, AR=50, AP=3757, MR=55.9, MP=5084, NPI=944, 36/40 PERFS OPEN 90%

P/U RIH W/ BKR 8K CBP & SET @ 6650' R/D CUTTERS & WEATHERFORD FRAC EQUIP. N/D FRAC VALVES, N/U BOPE, R/U TBG EQUIP, P/U 3-7/8 BIT W/ POBS, RUN IN HOLE W/ 2-3/8 TBG, TAG KILL PLUG @ 6650' L/D 2 JNTS, P/U PWR SWVL READY TO DRILL PLUGS, DRAIN EQUIP

01/09/08

**drl cbp's**

Days On Completion: 7

Remarks: DAY #5] 7:00 HSM

PLUG #1] OPEN WELL RIH TAG CBP @ 6650' EST CIRC, DRL THROUGH BKR 8 K CBP IN 12 MIN 500# INCREASE, CONTINUE TO RIH. PLUG #2] TAG SAND @ 6781' [15' FILL] C/O & DRL

THROUGH BKR 8K CBP @ 6796' IN 10 MIN 300# INCREASE, CONTINUE TO RIH. PLUG #3] TAG SAND @ 7353' [30' FILL] C/O & DRL THROUGH BKR 8K CBP @ 7383' IN 13 MIN 100# INCREASE, CONTINUE TO RIH. PLUG #4] TAG SAND @ 7587' [30' FILL] C/O & DRL THROUGH BKR 8K CBP @ 7617' IN 10 MIN 300# INCREASE, CONTINUE TO RIH. PLUG #5] TAG SAND @ 7939' [25' FILL] C/O & DRL THROUGH BKR 8K CBP @ 7964' IN 8 MIN 400# INCREASE, CONTINUE TO RIH & C/O TO 8340' PBTD, CIRC HOLE, L/D 30 JNTS ON FLOAT, P/U & LUBRICATE HANGER IN HOLE W/ 235 JNTS J-55 TBG, [EOT @ 7406.25] R/D TBG EQUIP, N/D BOPE, N/U WELL HEAD, DROP BALL PUMP OFF POBS @ 2200#, TURN WELL OVER TO FLOW BACK. 4:00 RDMO LOC.

TBG DETAIL

KB	18.00
HANGER	.83
235 JNT 2-3/8 J-55 TBG	7385.25
PROFILE NIPPLE [BIG "R"]	2.20

275 JNTS BROUGHT  
235 JNTS USED  
40 JNTS SENT BACK

01/10/08 **FLOWBACK REPORT:** CP 1425#, TP 925#, CK 20/64", 45 BWPH, LOAD REC'D 810 BBLS, REMAINING LTR -810 BBLS

01/11/08 **FLOWBACK REPORT:** CP 1900#, TP 975#, CK 20/64", 35 BWPH, LOAD REC'D 895 BBLS, REMAINING LTR 4795 BBLS  
**WENT ON SALES:** @ 11:30 AM, 580 MCF, 650 TBG, 2380 CSG, 20/64 CK, 35 BBWH

01/12/08 **FLOWBACK REPORT:** CP 2300#, TP 225#, CK 20/64", 28 BWPH, LOAD REC'D 649 BBLS, REMAINING LTR 4146 BBLS  
**ON SALES:** 900 MCF, 2 BC, 672 BW, TP: 250#, CP: 610#, 20/64 CHK, 18 HRS, LP: 164#.

01/13/08 **FLOWBACK REPORT:** CP 2000#, TP 350#, CK 20/64", 20 BWPH, LOAD REC'D 480 BBLS, REMAINING LTR 3666 BBLS  
**ON SALES:** 1002 MCF, 2 BC, 560 BW, TP: 350#, CP: 564#, 20/64 CHK, 18 HRS, LP: 148#.

01/14/08 **FLOWBACK REPORT:** CP 1900#, TP 550#, CK 20/64", 15 BWPH, LOAD REC'D 360 BBLS, REMAINING LTR 3306 BBLS  
**ON SALES:** 1075 MCF, 2 BC, 360 BW, TP: 320#, CP: 551#, 20/64 CHK, 18 HRS, LP: 199#.

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
UTU-76041

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other  
b. Type of Completion: ☒ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

2. Name of Operator

KERR-MCGEE OIL & GAS ONSHORE LP

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

BITTER CREEK 1122-5B

3. Address

1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3a. Phone No. (include area code)

(435) 781-7024

9. API Well No.

4304737113

4. Location of Well (Report locations clearly and in accordance with Federal requirements) \*

At surface

SW/NE 1345'FNL, 1854'FEL (LOT 7)

10. Field and Pool, or Exploratory

NATURAL BUTTES

At top prod. interval reported below

11. Sec., T., R., M., or Block and  
Survey or Area SEC. 5, T11S, R22E

12. County or Parish

UINTAH

13. State

UTAH

At total depth

14. Date Spudded

10/30/07

15. Date T.D. Reached

11/19/07

16. Date Completed

☐ D & A ☒ Ready to Prod.

01/11/08

17. Elevations (DF, RKB, RT, GL)\*

5561'GL

18. Total Depth: MD 8440'  
TVD

19. Plug Back T.D.: MD 8340'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit copy)  
Was DST run? ☒ No ☐ Yes (Submit copy)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

CBL-CCL-GR REM

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	32.3# 36#		1850'		585 SX			
7 7/8"	4 1/2"	11.6#		8440'		1568 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	7406'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	6719'	8122'	6719'-8122'	0.36	206	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material
6719'-8122'	PMP 7584 BBLs SLICK H2O & 250,875# 30/50 SD

RECEIVED

FEB 05 2008

DIV. OF OIL, GAS & MINING

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/11/08	01/17/08	24	→	2	1,261	360			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. 1019# SI	Csg. Press. 519#	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
20/64			→	2	1261	360			PRODUCING GAS WELL

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
			→						

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (*Sold, used for fuel, vented, etc.*)**SOLD**

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WASATCH MESAVERDE	4001' 6370'	6370'			

## 32. Additional remarks (include plugging procedure):

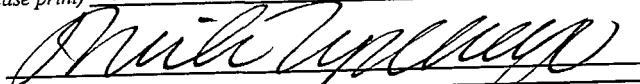
## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 5. Core Analysis   | 7. Other:     |                       |

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) SHEILA UPCHEGOTitle SENIOR LAND ADMIN SPECIALIST

Signature

Date 01/29/08

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW/NE SEC. 5, T11S, R22E 1345'FNL, 1854'FEL

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

UTU-76041

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

BITTER CREEK 1122-5B

9. API Well No.

4304737113

10. Field and Pool, or Exploratory Area

UNDESIGNATED

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

COPY SENT TO OPERATOR

Date: 6-10-2008

Initials: KLS

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION.  
THE OPERATOR WILL COMPLETE THE WASATCH FORMATION. THE OPERATOR REQUESTS  
AUTHORIZATION TO COMMINGLE THE WASATCH AND MESAVERDE FORMATION.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

RECEIVED

MAY 21 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

Signature

Date

May 20, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date

Federal Approval Of This  
Action Is Necessary

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

By:

\* Cause 210-04

**Name:** Bitter Creek 1122-5B

**Location:** NWNE 5 11S 22E

**Uintah County, UT**

**Date:** 5/19/08

**ELEVATIONS:** 5559 GL

5577 KB

**TOTAL DEPTH:** 8436

**PBTD:** 8394

**SURFACE CASING:**

9 5/8", 36# J-55 ST&C @ 1836'

**PRODUCTION CASING:**

4 1/2", 11.6#, I-80 LT&C @ 8436'

Marker Joint 4074' - 4087'

**TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbgs	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

**GENERAL:**

- A minimum of 8 tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 11/19/2007
- 3 fracturing stages required for coverage.
- Procedure calls for 4 CBP's (8000 psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure 6000 psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). DO NOT OVERDISPLACE. Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump **resin coated sand** last 5,000# of all frac stages
- Wasatch re-complete. This well will be commingled.
- Current Tubing Landing @ ~7406'

**Existing Perforations:**

Mesaverde	8031	8035	4	16
-----------	------	------	---	----



Mesaverde	8094	8097	3	9
Mesaverde	8118	8122	4	16
# of Perfs/stage				41
Mesaverde	7819	7825	4	24
Mesaverde	7876	7878	4	8
Mesaverde	7932	7934	4	8
# of Perfs/stage				40
Mesaverde	7433	7440	4	28
Mesaverde	7584	7587	4	12
# of Perfs/stage				40
Mesaverde	7119	7121	2	4
Mesaverde	7186	7195	4	36
# of Perfs/stage				40
Mesaverde	6719	6727	4	32
Mesaverde	6764	6766	4	8
# of Perfs/stage				40

#### **PROCEDURE:**

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. TOOH with 2-3/8", 4.7#, J-55 tubing, currently landed at ~ 7406'. Visually inspect for scale and consider replacing if needed.
3. Set 8000 psi CBP at ~ 6232' (Run gauge ring if necessary prior to CBP, well was just drilled and completed in Jan 2008). Pressure test BOP and casing to 6000 psi. .
4. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	6106	6114	3	24
WASATCH	6196	6202	3	18
5. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Fracture as outlined in Stage 1 on attached listing. Under-displace to ~6056' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
6. Set 8000 psi CBP at ~5587'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5544	5557	3	39
7. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~5494' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
8. Set 8000 psi CBP at ~5392'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5265	5271	3	18

WASATCH	5320	5322	3	6
WASATCH	5337	5340	3	9
WASATCH	5360	5362	3	6

9. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~5215' flush only with recycled water.
10. Set 8000 psi CBP at ~5215'.
11. TIH with 3 7/8" bit, pump off sub, SN and tubing.
12. Drill all plugs, commingling all zones, and clean out to PBTD. Shear off bit and land tubing at ±8001' unless indicated otherwise by the well's behavior.
13. ND BOP and NU WH. RDMO. Put well on sales.

**For design questions, please call**  
**Conner Staley, Denver, CO**  
**(720)-929-6419 (Office)**

**For field implementation questions, please call**  
**Robert Miller, Vernal, UT**  
**4350781 7041 (Office)**

**NOTES:**

All proposed perforations were discussed with the geologist.

3384.342  
80.5795714

Stage	Zone	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
		Top, ft	Bot. ft															
1	WASATCH	6106	6114	3	24	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	6196	6202	3	18	0	ISIP and 5 min ISIP											36
	WASATCH	No perfs				40	Slickwater Pad			Slickwater	125	125	15.0%	0.0%	0	0		16
	WASATCH					40	Slickwater Ramp	0.25	1.25	Slickwater	415	540	50.0%	39.7%	13,078	13,078		26
	WASATCH					40	Slickwater Ramp	1.25	2	Slickwater	291	830	35.0%	60.3%	19,835	32,913		0
	WASATCH					40	Flush (4-1/2")				94	924						36
	WASATCH						ISDP and 5 min ISDP											114
		# of Perfs/stage			42						Flush depth		6056		gal/ft CBP depth	2,250 5,587	2,123 lbs sand/ft	469
2	WASATCH	No perfs				24.0	<< Above pump time (min)			Slickwater	0	0						
	WASATCH	5544	5557	3	39	0	ISIP and 5 min ISIP											
	WASATCH					50	Slickwater Pad			Slickwater	125	125	15.0%	0.0%	0	0		16
	WASATCH					50	Slickwater Ramp	0.25	1.25	Slickwater	417	542	50.0%	39.7%	13,125	13,125		26
	WASATCH					50	Slickwater Ramp	1.25	2	Slickwater	292	833	35.0%	60.3%	19,906	33,031		0
	WASATCH					50	Flush (4-1/2")				85	919						35
	WASATCH						ISDP and 5 min ISDP											77
		# of Perfs/stage			39						Flush depth		5494		gal/ft CBP depth	2,500 5,392	2,359 lbs sand/ft	102
3	WASATCH	5265	5271	3	18	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	5320	5322	3	6	0	ISIP and 5 min ISIP											
	WASATCH	5337	5340	3	9	50	Slickwater Pad			Slickwater	134	134	15.0%	0.0%	0	0		17
	WASATCH	5360	5362	3	6	50	Slickwater Ramp	0.25	1.25	Slickwater	446	580	50.0%	39.7%	14,063	14,063		28
	WASATCH					50	Slickwater Ramp	1.25	2	Slickwater	313	893	35.0%	60.3%	21,328	35,391		0
	WASATCH					50	Flush (4-1/2")				81	974						0
	WASATCH						ISDP and 5 min ISDP											45
		# of Perfs/stage			39						Flush depth		5215		gal/ft CBP depth	2,500 5,215	2,359 lbs sand/ft	0
	Totals				120	0.0					gals bbls	2,812 bbls			Total Sand	101,335		LOOK
						1.1						6.2 tanks				Total Scale Inhib. =		236

**Bitter Creek 1122.5B**  
**Perforation and CBP Summary**

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	WASATCH	6106	6114	3	24		6106	to	6114
	WASATCH	6196	6202	3	18		6195.5	to	6202
	WASATCH		No perms				6207	to	6208
	WASATCH								
	WASATCH								
	WASATCH								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	# of Perfs/stage				42		CBP DEPTH	5,587	
2	WASATCH		No perms				5542	to	5543
	WASATCH	5544	5557	3	39		5544	to	5557
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				39		CBP DEPTH	5,392	
3	WASATCH	5265	5271	3	18		5265	to	5271
	WASATCH	5320	5322	3	6		5319	to	5322
	WASATCH	5337	5340	3	9		5337	to	5341
	WASATCH	5360	5362	3	6		5360	to	5362
	WASATCH								
	WASATCH								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	# of Perfs/stage				39		CBP DEPTH	5,215	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NW/NE SEC. 5, T11S, R22E 1345'FNL, 1854'FEL**

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

**UTU-76041**

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

**BITTER CREEK 1122-5B**

9. API Well No.

**4304737113**

10. Field and Pool, or Exploratory Area

**UNDESIGNATED**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR HAS PERFORMED THE RECOMPLETION ON THE SUBJECT WELL LOCATION. THE OPERATOR HAS RETURNED THE SUBJECT WELL LOCATION BACK TO PRODUCTION ON 08/27/2008 AT 2:00 PM.

PLEASE REFER TO THE ATTACHED RECOMPLETION CHRONOLOGICAL WELL HISTORY

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Title

**REGULATORY ANALYST**

Signature

Date

**September 3, 2008**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**SEP 09 2008**

**DIV. OF OIL, GAS & MINING**

Wins No.: 95737		BITTER CREEK 1122-5B					API No.: 4304737113								
EVENT INFORMATION:		EVENT ACTIVITY: RECOMPLETION			START DATE: 7/28/2008			AFE NO.: 2010001							
		OBJECTIVE: DEVELOPMENT			END DATE: 8/2/2008										
		OBJECTIVE 2: RECOMPLETE			DATE WELL STARTED PROD.:										
		REASON: WAS RECOMPLETE			Event End Status: COMPLETE										
RIG OPERATIONS:		Begin Mobilization		Rig On Location		Rig Charges		Rig Operation Start		Finish Drilling		Rig Release		Rig Off Location	
KEY 59 / 59		07/28/2008										08/02/2008			
Date	Time Start-End	Duration (hr)	Phase	Code	Subco de	P/U	Operation								
7/28/2008	SUPERVISOR: DAVID DANIELS		MD:												
	11:00 - 17:30	6.50	COMP	31	I	P	MIRU RIG. WELL PSI 100#. BLOW WELL T/ PROD TANK. RIG PUMP T/ TBG PUMP 40 BBLs T/ CONTOL WELL. ND WH, NUBOP. RU TBG EQUIP. PU ON TBG, UNLAND 4 1/16 HNGR. LD TBG HNGR. POOH. SB & TALLY TBG. 234 JTS J-55 2 3/8 TBG IN DERRICK & 1 JT ON THE GROUND + XN - NIPPLE + POBS. PUT WELL DOWN SALES LINE FOR NITE. SDFN.								
7/29/2008	SUPERVISOR: DAVID DANIELS		MD:												
	7:00 - 7:30	0.50	COMP	48		P	HSM, W.L. SAFETY.								
	7:30 - 15:00	7.50	COMP	34	I	P	SICP 300#. OPEN WELL T/ PROD TANK T/ BLOW DOWN WELL. RIG PUMP T/ CSG, PUMP 40 BBLs 2% KCL T/ CONTROL WELL. ND BOP, NU FRAC VALVES. MIRU CASED HOLE, PU 3 7/8 GAUGE RING. RIH T/ 6300', LOOK GOOD. POOH. PU 4.5 BAKER 8K CBP. RIH SET CBP @ 6242'. POOH. MIRU B & C QUICK TEST. PSI TEST CSG & BOTH FRAC V T/ 6200#. HELD. PU 3 3/8 EXP GUN, 23GM, 120 DEG PHASING. RIH PREF STG # 1. 6196'-6202', 3 SPF, 18 HOLES, 6106'-14', 3 SPF, 24 HOLES. POOH SB W.L. EQUIP. SWI. PREP T/ FRAC IN THE :AM. SDFN.								
7/30/2008	SUPERVISOR: DAVID DANIELS		MD:												
	7:00 - 15:00	8.00	COMP	46	F		STD BY. WAIT ON FRAC CREW.								
7/31/2008	SUPERVISOR: DAVID DANIELS		MD:												
	7:00 - 15:00	8.00	COMP	46	F	Z	STD BY. WAIT ON FRAC CREW.								
8/1/2008	SUPERVISOR: DAVID DANIELS		MD:												
	7:00 - 7:30	0.50	COMP	48		P	HSM. HIGH PSI LINES.								
	7:30 - 21:17	13.78	COMP	36	B	P	MIRU DOWELL.  STG 1 ) OPEN WELL 1090# BRK @ 3835# @ 5.1 BPM. ISIP 1982 PSI, FG .75 PUMP 137,230# 30/50. TAIL IN W/ 5000# 20/40 TLC. ISIP 2650#, FG .86. X-OVER FOR W.L.  STG 2 ) PU 4 1/2, 8K, BAKER CBP & 3 3/8 EXP GUN, 23 GM, 120 DEG PHASING. RIH SET CBP @ 5587', PU PREF 5544'-57', 3 SPF, 39 HOLES. POOH. X-OVER T/ FRAC CREW. BRK 1350# @ 5.5 BPM. ISIP 1170#, FG .64. PUMP 143,622#, 30/50. TAIL IN W/ 5000# TLC. ISIP 1970#, FG .70. TURN WELL OVER T/ W.L.  STG 3 ) PU 4 1/2, 8K, BAKER CBP & 3 3/8 EXP GUN, 23 GM, 120 DEG PHASING. RIH SET CBP @ 5400#, PU PREF 5360'-62', 3 SPF, 6 HOLES. 5337'-40', 3 SPF, 9 HOLES. 5320'-22', 3 SPF, 6 HOLES. 5265'-71', 3 SPF, 18 HOLES. POOH. X-OVER T/ FRAC CREW. OPEN WELL 1475# BRK 5644# @ 5.7 BPM. ISIP 1990#. FG .80. PUMP 163,522# 30/50, TAIL IN W/ 5000# TLC ISIP 2115#, FG 83. TURN WELL OVER T/ W.L.  PU 4 1/2 BAKER, 8K, CBP. RIH SET KILL PLUG @ 5195'. POOH. RDMO CASED HOLE SOLUTIONS & DOWELL FRAC CREW. SWI, SDFWE.								
8/2/2008	SUPERVISOR: DAVID DANIELS		MD:												
	7:00 - 7:30	0.50	COMP	48		P	HSM, PU POWER SWIVEL.								

Wins No.: 95737		BITTER CREEK 1122-5B				API No.: 4304737113										
7:30 - 18:00		10.50	COMP	44	C P	<p>OPEN WELL 0 PSI. ND FRAC V, NU BOP. RU TBG EQUIP. PU 3 7/8 BIT + X-DART + POBS + X-N NIPPLE. RIH W/ TBG TAG FILL @ 5183'.</p> <p>RU DRL EQUIP &amp; PUMP LINES. BRK CONV CIRC.</p> <p>CBP 1 ) TAG FILL @ 5183' = 10' OF FILL. DRL OUT CBP @ 5193' IN 8 MIN, 100 # INCR. CONT RIH</p> <p>CBP 2 ) TAG FILL @ 5370'=30' FILL. DRL OUT CBP @ 5400' IN 10 MIN, 200# INCR. CONT RIH.</p> <p>CBP 3 ) TAG FILL @ 5557'=30' FILL. DRL OUT CBP @ 5587' IN 8 MIN, 200# INCR. CONT RIH.</p> <p>CBP 4 ) TAG FILL @ 6202'=40' FILL. DRL OUT CBP @ 6242' IN 8 MIN LOST CIRC FOR 10 MIN REGAINED CIRC, CONT RIH CO T/ PBTD @ 8222', CIRC WELL CLEAN W/ 40 BBLS 2% KCL. RD DRL EQUIP, POOH LD EXESS TBG. PU TBG HNGER, LAND TBG W/</p> <table><tr><td>KB</td><td>18.00</td></tr><tr><td>4 1/16 HNGR</td><td>.83</td></tr><tr><td>255 JTS J-55</td><td>8013.49</td></tr><tr><td>XN-NIPPLE, POBS</td><td>2.20</td></tr><tr><td>EOPOBS</td><td>8034.52</td></tr></table> <p>ND BOP, NU WH, DROP BALL. PUMP BIT OFF W/ 20 BBLS 2% KCL. TURN WELL OVER T/ FBC. SICP 50#, FTP 25#. RACK OUT RIG EQUIP. SDFN.</p>	KB	18.00	4 1/16 HNGR	.83	255 JTS J-55	8013.49	XN-NIPPLE, POBS	2.20	EOPOBS	8034.52
KB	18.00															
4 1/16 HNGR	.83															
255 JTS J-55	8013.49															
XN-NIPPLE, POBS	2.20															
EOPOBS	8034.52															
8/5/2008	<u>SUPERVISOR:</u> DAVID DANIELS					<u>MD:</u>										
7:00 -		33	A		7 AM FLBK REPORT: CP 50#, TP 50#, OPEN CK/64" CK, 12 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 1968 BBLS LEFT TO RECOVER: 9530											
8/6/2008	<u>SUPERVISOR:</u> DAVID DANIELS					<u>MD:</u>										
7:00 -		33	A		7 AM FLBK REPORT: CP 25#, TP 50#, OPEN/64" CK, 0 BWPH, - SAND, - GAS TTL BBLS RECOVERED: 1956 BBLS LEFT TO RECOVER: 9542											
8/17/2008	<u>SUPERVISOR:</u> DAVID DANIELS					<u>MD:</u>										
7:00 -		33	A		7 AM FLBK REPORT: CP 1400#, TP 25#, OPEN/64" CK, 2 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 2153 BBLS LEFT TO RECOVER: 9345											
8/18/2008	<u>SUPERVISOR:</u> DAVID DANIELS					<u>MD:</u>										
7:00 -		33	A		7 AM FLBK REPORT: CP 1500#, TP 0#, OPEN/64" CK, 0 BWPH, 0 SAND, - GAS TTL BBLS RECOVERED: 2165 BBLS LEFT TO RECOVER: 9333											

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
UTU-76041

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other  
b. Type of Completion: ☐ New ☒ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

2. Name of Operator

KERR-MCGEE OIL & GAS ONSHORE LP

3. Address

1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3a. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Report locations clearly and in accordance with Federal requirements)\*

At surface

SW/NE 1345'FNL, 1854'FEL (LOT 7)

At top prod. interval reported below

At total depth

14. Date Spudded

10/30/07

15. Date T.D. Reached

11/19/07

16. Date Completed

☐ D & A ☒ Ready to Prod.  
08/27/08

8. Lease Name and Well No.

BITTER CREEK 1122-5B

9. API Well No.

4304737113

10. Field and Pool, or Exploratory

NATURAL BUTTES

11. Sec., T., R., M., or Block and  
Survey or Area SEC. 5, T11S, R22E

12. County or Parish

UINTAH

13. State

UTAH

17. Elevations (DF, RKB, RT, GL)\*

5561'GL

18. Total Depth: MD 8440'  
TVD

19. Plug Back T.D.: MD 8222'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

N/A

22. Was well cored? ☒ No ☐ Yes (Submit copy)  
Was DST run? ☒ No ☐ Yes (Submit copy)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	32.3# 36#		1850'		585 SX			
7 7/8"	4 1/2"	11.6#		8440'		1568 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	8034'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5265'	6202'	5265'-6202'	0.36	120	OPEN
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material
5265'-6202'	PMP 11,498 BBLS SLICK H2O & 458,374# 30/50 SD

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/27/08	09/06/08	24	→	0	306	288			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 120#	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
20/64	SI	700#	→	0	306	288			PRODUCING GAS WELL

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
			→						

(See instructions and spaces for additional data on reverse side)

RECEIVED  
OCT 06 2008

DIV. OF OIL, GAS & MINING



## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

## 29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WASATCH MESAVERDE	4001'	6370'			

## 32. Additional remarks (include plugging procedure):

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 5. Core Analysis   | 7. Other:     |                       |

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 09/23/08

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO  
UT-922  
UTU-86246

November 18, 2008

Jason Rayburn  
Kerr-McGee Oil & Gas Onshore, LP  
P. O. Box 173779  
Denver, Colorado 80217-3779

**RECEIVED**  
**NOV 24 2008**

Gentlemen:

**DIV. OF OIL, GAS & MINING**

Enclosed is one approved copy of Communitization Agreement No. UTU86246. This agreement communitizes all rights as to natural gas and associated liquid hydrocarbons producible from the Wasatch and Mesaverde Formations, covering Lots 2 and 7 of Section 5, Township 11 South, Range 22 East, SLB&M, Uintah County, Utah. This agreement conforms to the spacing set forth in Order No. 210-04 which was issued by the State of Utah, Board of Oil, Gas and Mining on April 12, 2004.

This agreement is effective as of January 1, 2008. The communitized area covers 54.78 acres and includes portions of Federal oil and gas leases UTU76041 and UTU80934.

Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.

Minerals Management Service Form MMS-4054, "Oil & Gas Operations Report", must be submitted for this agreement beginning with the month in which drilling operations commence for Well No. 1122-5B, Lot 7, Section 5, Township 11 South, Range 22 East, SLB&M, Uintah County, Utah, API # 43-047-37113, on Federal Lease UTU76041. Form MMS-4054 is to be mailed to the Minerals Management Service, Minerals Revenue Management Reporting Services, P. O. Box 17110, Denver, Colorado 80217-0110.

Please furnish all interested principals with necessary evidence of this approval.

Sincerely,

Becky J. Hammond  
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal w/enclosure  
UDOGM  
SITLA  
MMS - Data Management Division (Attn: Leona Reilly)  
CA File - UTU-86246  
Fluids - Judy w/enclosure  
Agr. Sec. Chron.  
Central Files  
Reading File

UT922:LWilcken:lw:11/18/08